

## CLAIM

I claim:

1. An extension device for speedy connection of a various kinds of hand free devices for cellular phones to service centers having one end coupled to a cellular phone and another end coupled to a hand free device wherein said extension device comprises:

a control unit is mainly used to control operations of individual units of said extension device and is internally equipped with a control program;

a power supply processing unit coupled to a power circuit of said hand free device is used to supply electrical power to said extension device;

a press button includes a press button circuit and at least a service button or a plurality of press buttons that are marked with a functional indication of service provided by said buttons respectively; each one of said multiple buttons corresponds to a phone number stored in said data storage unit;

a data storage unit is a temporary memory unit for storage of phone numbers to be dialed;

a dialing unit can be a DTMF or other dialing circuits for receiving and coding phone numbers transmitted from said control unit and delivering further said the cellular phone T for effecting automatic dialing.

2. The extension device for speedy connection of various kinds of hand free devices for cellular phones to service centers as claimed in claim 1 wherein an infrared receiving unit is disposed in said extension device to cooperate with an infrared transmitter for replacement of said service button for effecting control of dialing connection;

said infrared receiving unit includes an infrared receiving circuit and a receiver;

said infrared receiving circuit controls associated units of said infrared receiving unit and processing infrared signals received by said infrared receiver by decoding and transmitting to said control unit;

said infrared transmitter is a portable unit having a matrix of press buttons, an infrared coding unit and infrared transmitting unit.

3. The extension device for speedy connection of various hand free devices for cellular phones to service centers as claimed in claim 2 wherein said extension device can also be equipped with a press button unit whereby either said service button or said infrared transmitter can be selectively actuated to effect control of connection operation.